

## ABSTRACT OF DISCLOSURE

An automatic power calibration apparatus for optical recording devices and a method therefore. The power calibration apparatus includes an optical emission unit, an optical emission unit driving unit which outputs a signal for driving the optical emission unit in response to two or more first channel signal values and/or two or more second channel signal values, an optical detection unit which detects two or more first output signal values and two or more second output signal values corresponding respectively to the first and second channel signals, a memory, a central processing unit which receives the first and second output signal values from the optical detection unit; and an automatic power control unit which adjusts the first channel signal value to maintain the first output signal value to be equivalent to a first reference signal, according to the first reference signal, which is a reference signal of the first channel signal input from the central processing unit, and the first output signal input from the optical detection unit, and outputting the adjusted first channel signal value to the optical emission unit driving unit. Use of the power calibration apparatus enables cost reduction, improvement in productivity, and upgrading of recording quality.